

Join us for Scientist in the Spotlight on July 9

July 1, 2016

Nuclear forensics If a cache of stolen or dumped nuclear material is intercepted by a law enforcement agency, what would happen next? Christy Ruggiero, with the Lab's Nuclear Engineering and Nonproliferation Division, will show some of the nuclear forensic "fingerprints" in the material that help answer what the material is, where it came from, and what it could be used for. Few people are aware that the Lab is one of the leading nuclear crime labs for the U.S. National Technical Nuclear Forensics Program—a federal interagency program focusing on preventing nuclear crimes and nuclear terrorism. Scientists at the Lab unravel the physical evidence in the nuclear material to determine exactly what the material is and what processes created it. This supports law enforcement agencies, who use this information along with other evidence to determine exactly who did it. Now you get a chance to learn about some the "fingerprints" in a nuclear material that scientists can use to match a material to a reference sample in a library of "known" materials in this hands-on, safe activity using plastic beads as surrogate nuclear material.

Software & supercomputing

Teri Roberts was a software quality engineering and development specialist. She can help you better understand how a computer "knows" what it's doing.

Join us every second Saturday of the month for Scientist in the Spotlight, a program featuring scientists that have been certified for public outreach through the museum's Scientist Ambassador Academy. These scientists will talk with museum visitors for a couple of hours about their favorite science, technology, engineering, or math (STEM) subject. Conversations are intended for all ages and include interactive hands-on activities that make learning easy and fun. [Learn more about the Scientist Ambassador academy.](#)

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BRADBURY **SCIENCE** museum

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